

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/013247

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N33/566 C07K16/28 C07K14/705 A61K38/17 A61K39/395
C12N5/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JOHNSON-LEGER CAROLINE A ET AL: "Junctional adhesion molecule-2 (JAM-2) promotes lymphocyte transendothelial migration" BLOOD, vol. 100, no. 7, 1 October 2002 (2002-10-01), pages 2479-2486, XP002271845 & ISSN: 0006-4971 cited in the application	15-20
Y	the whole document ----- -/--	1-14, 21-25



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

A document member of the same patent family

Date of the actual completion of the international search

21 January 2005

Date of mailing of the international search report

15/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Rutz, B

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>AURRAND-LIONS MICHEL ET AL: "JAM-2, a novel immunoglobulin superfamily molecule, expressed by endothelial and lymphatic cells"</p> <p>JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 276, no. 4, 26 January 2001 (2001-01-26), pages 2733-2741, XP002314526 & ISSN: 0021-9258 the whole document</p>	15-20
Y	<p>LIANG TONY W ET AL: "Vascular endothelial-junctional adhesion molecule (VE-JAM)/JAM 2 interacts with T, NK, and dendritic cells through JAM 3."</p> <p>JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 15 FEB 2002, vol. 168, no. 4, 15 February 2002 (2002-02-15), pages 1618-1626, XP002271842 ISSN: 0022-1767 the whole document</p>	1-14, 21-25
A	<p>ARRATE M P ET AL: "Cloning of human junctional adhesion molecule 3 (JAM3) and its identification as the JAM2 counter-receptor."</p> <p>THE JOURNAL OF BIOLOGICAL CHEMISTRY. 7 DEC 2001, vol. 276, no. 49, 7 December 2001 (2001-12-07), pages 45826-45832, XP002271844 ISSN: 0021-9258 the whole document</p>	
A	<p>WO 03/006673 A (CUNNINGHAM SONIA ; TEXAS BIOTECHNOLOGY CORP (US)) 23 January 2003 (2003-01-23) page 43, line 18 - page 45, line 16 page 38, line 23 - page 42, line 24 page 50, line 1 - page 53, line 12 page 54, line 6 - line 17</p>	
A	<p>NAIK MEGHNA U ET AL: "Signaling through JAM-1 and alphavbeta3 is required for the angiogenic action of bFGF: dissociation of the JAM-1 and alphavbeta3 complex."</p> <p>BLOOD. 15 SEP 2003, vol. 102, no. 6, 15 September 2003 (2003-09-15), pages 2108-2114, XP002271843 ISSN: 0006-4971 the whole document</p>	
	-/-	

BEST AVAILABLE COPY

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/53749 A (IMHOF BEAT ALBERT ; AURRAND LIONS MICHEL (CH); RMF DICTAGENE SA (CH)) 14 September 2000 (2000-09-14) page 6, line 13 - page 7, line 31; claim 5	
A	WO 03/008541 A (HEUER JOSEF GEORG ; SU ERIC WEN (US); LILLY CO ELI (US); SMITH ROSAMUN) 30 January 2003 (2003-01-30) page 48, line 10 - page 51, line 28; table 2	
A	VESTWEBER DIETMAR: "Regulation of endothelial cell contacts during leukocyte extravasation." CURRENT OPINION IN CELL BIOLOGY. OCT 2002, vol. 14, no. 5, October 2002 (2002-10), pages 587-593, XP002272615 ISSN: 0955-0674	
A	VESTWEBER D: "MOLECULAR MECHANISMS THAT CONTROL ENDOTHELIAL CELL CONTACTS" JOURNAL OF PATHOLOGY, CHICHESTER, SUSSEX, GB, vol. 190, no. 3, February 2000 (2000-02), pages 281-291, XP008021809 ISSN: 0022-3417	
A	BAZZONI GIANFRANCO: "The JAM family of junctional adhesion molecules." CURRENT OPINION IN CELL BIOLOGY. OCT 2003, vol. 15, no. 5, October 2003 (2003-10), pages 525-530, XP002271851 ISSN: 0955-0674	
A	MULLER W A: "Leukocyte-endothelial-cell interactions in leukocyte transmigration and the inflammatory response" TRENDS IN IMMUNOLOGY, ELSEVIER, CAMBRIDGE, GB, vol. 24, no. 6, June 2003 (2003-06), pages 326-333, XP004430849 ISSN: 1471-4906	

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013247

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03006673	A	23-01-2003	WO 03006673 A2	23-01-2003
WO 0053749	A	14-09-2000	AU 4105100 A	28-09-2000
			BR 0008915 A	09-04-2002
			CA 2362896 A1	14-09-2000
			CN 1355843 T	26-06-2002
			CZ 20013267 A3	13-02-2002
			EE 200100472 A	16-12-2002
			WO 0053749 A2	14-09-2000
			EP 1163337 A2	19-12-2001
			HU 0200606 A2	29-06-2002
			JP 2002537837 A	12-11-2002
			MX PA01009110 A	20-08-2002
			NO 20014417 A	12-11-2001
			NZ 514091 A	30-01-2004
			PL 350417 A1	16-12-2002
			ZA 200107283 A	03-10-2002
WO 03008541	A	30-01-2003	WO 03008541 A2	30-01-2003

BEST AVAILABLE COPY